

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/23860

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G06K 9/36; H04B 1/66; H04N 1/41, 7/12
US CL : 382/239, 251; 375/240.03, 240.2; 348/404.1; 358/426.08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 382/239, 251; 375/240.02, 240.03, 240.18, 240.2; 348/404.1; 358/426.03, 426.08

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
IEEE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,629,780A (WATSON) 13 May 1997 (13.05.1997), Figs 3,4, and columns 7-11.	1-7, 9, 11-14, 19-29
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Y		8, 10, 15-18
Y	US 2002/0021754 A1 (PIAN et al) 21 February 2002 (21.02.2002), paragraph 0037.	8, 15-16
Y	US 5,576,767A (LEE et al) 19 November 1996 (19.11.1996), column 4, lines 10-30.	10, 17-18
A	US 5,021,891A (LEE) 04 June 1991 (04.06.1991).	
A	US 5,107,345A (LEE) 21 April 1992 (21.04.1992).	
A	US 5,990,955A (KOZ) 23 November 1999 (23.11.1999).	
A	US 6,044,115A (HORIIKE et al) 28 March 2000 (28.03.2000).	
A	US 6,411,738 B2 (FERT et al) 25 June 2002 (25.06.2002).	

☒ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

* Special categories of cited documents:	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent published on or after the international filing date	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&"	document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means		
"P" document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search

10 December 2003 (10.12.2003)

Date of mailing of the international search report

12 JAN 2004

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INTERNATIONAL SEARCH REPORT

C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	HEMAMI, S.S. Robust Image Transmission Using Resynchronizing Variable-Length Codes and Error Concealment, IEEE Journal on Selected Areas in Communications, June 2000, Vol 18, Iss 6, pages 927-939.	